

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Grandstream GXP1625** IP phone to register with **the PBX platform v4.1.4** – from installation through manual configuration and auto provisioning (TFTP, HTTP/HTTPS).



IDENTIFYING YOUR PHONE MODEL

The exact model information is printed on the back of each Grandstream phone. Models can have significantly different requirements and installation procedures – confirm you have the **GXP1625** before starting, or the setup may not complete successfully.

BEFORE YOU BEGIN

- **Phone model** – Confirm the exact model on the back of the phone
- **Firmware** – Version 1.0.4.82, checked via the phone's web interface
- **DHCP** – A fully configured, operational DHCP server
- **PBX version** – Release 4.1.4

CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Log in (factory default: `admin / admin`)
- 3 The **Firmware Version** is shown on the **Status** page of the web interface

FIND PHONE IP ADDRESS

- 1 Press the **NextScr** softkey on the phone
- 2 The IP address is displayed at the top of the phone's display

CHECK PBX VERSION

- 1 Log in to the PBX platform, navigate to **Settings > About**

```
Edition: Business, Release: 4.1.4.0 (387597b7), Running:
1.8.32.1-gc-b47edc45, Proxy v4.1.4 (62b7bcd), API: 4.1
```

INSTALLATION

OPTION A – POWER ADAPTER

- 1 Connect the DC plug on the power adapter to the DC port on the phone, and the other end into an electrical outlet
- 2 Connect an Ethernet cable between the Internet port on the phone and a network port on your router or switch

OPTION B – POWER OVER ETHERNET (POE)

- 1 Connect an Ethernet cable between the Internet port on the phone and an available port on a PoE-compliant router or switch

NOTE: If using PoE, you do not need the AC adapter. Ensure the Ethernet cable and router/switch are PoE compliant.

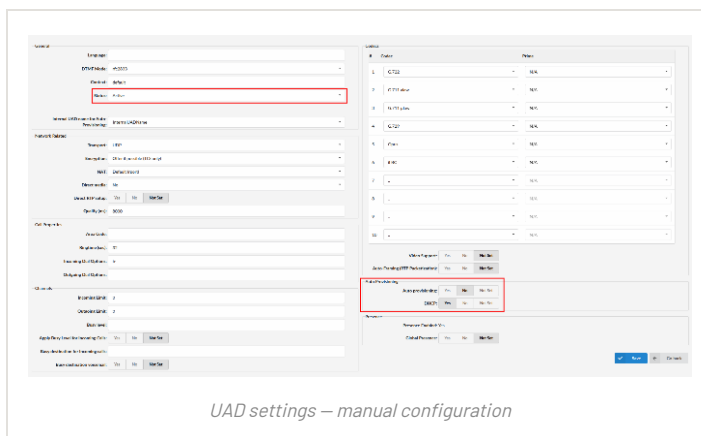
RESET TO FACTORY SETTINGS

Not required for brand-new phones – but a must for any phone previously used.

- 1 Browse to the phone's IP, e.g. <http://192.168.1.22>, and log in (`admin` / `admin`)
- 2 Click the **Factory Reset** option in the top right of the administration interface
- 3 Click **OK** on the prompt – the phone resets to factory settings and reboots
- 4 Wait for the device to finish rebooting before continuing

MANUAL CONFIGURATION – UAD SETTINGS

- 1 Browse to the PBX platform, e.g. <http://192.168.1.10>, and log in with your e-mail address and password
- 2 Navigate to **Settings > UAD**
- 3 Make sure the Grandstream GXP1625 UAD is enabled – click the **Edit** icon for the Grandstream GXP1625
- 4 Set **Status** = `Active`, **Auto provisioning** = `No`, **DHCP** = `Yes`
- 5 Click **Save**



UAD settings – manual configuration

WARNING: Do not unplug or remove power while the phone is updating firmware or configuration.

MANUAL CONFIGURATION – EXTENSION & REGISTRATION

CREATE THE EXTENSION

- 1 **Extensions > Add Extension** > **UAD** = Grandstream GXP1625,
Location = Local or Remote > **Next step**

Local is for extensions registered on the LAN; **Remote** is for extensions registered from remote networks, WAN, Internet, etc.

REQUIRED EXTENSION FIELDS

- **Name** – e.g. John Smith
- **E-mail** – e.g. john.smith@yourdomain.com (receives all system notifications)
- **Department** – e.g. Sales

Click **Save**.

REGISTER THE PHONE

- 1 Browse to the phone's IP and log in (`admin` / `admin`)
- 2 Click **Accounts** in the top menu
- 3 **Account Active** – make sure the **Yes** radio box is selected
- 4 **Account Name** – the Extension number, e.g. `1003`
- 5 **SIP Server** – PBX hostname or IP, e.g. `voip.yourdomain.com` OR `192.168.1.10`
- 6 **SIP User ID** – usually the same number as the Phone Number
- 7 **Authenticate Password** – the extension Secret, e.g. `_%Z4M3*Ts9y7` (generated automatically for each new extension)
- 8 Click **Save and Apply** at the bottom of the page
- 9 Dial `*123` to verify the registration

Creating the extension

AUTO PROVISIONING

1 UAD SETTINGS

- 1 Log in to the PBX platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Grandstream GXP1625, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension** > **UAD** = Grandstream GXP1625, **Location** = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com
- **Auto Provisioning** — set to Yes
- **MAC Address** — from the back of the phone, e.g. 000B82123456

Click **Save**.

SERVER ADDRESS FORMATS

- **HTTP** — `voip.yourdomain.com/prov` or `192.168.1.10/prov`
- **HTTPS** — `voip.yourdomain.com/prov`
- **TFTP** — `voip.yourdomain.com` or `192.168.1.10`

HTTP is the recommended protocol type. Alternatively, DHCP option 66 can instruct the phone with the provisioning URL automatically on first boot or reboot.

3 REGISTER VIA TFTP, HTTP, OR HTTPS

- 1 Browse to the phone's IP, log in (`admin / admin`) and press **Confirm**
- 2 Open **Maintenance > Upgrade and Provisioning** and scroll down to the **Config** section
- 3 Enter the auto-provisioning credentials into the **Config HTTP/HTTPS User Name** and **Config HTTP/HTTPS Password** fields
- 4 Choose the server type in the **Config Upgrade via** field: HTTP, HTTPS, or Trivial FTP (HTTP recommended)
- 5 Enter the PBX hostname or IP address followed by `/prov` — no protocol prefix (see formats at left)
- 6 Click **Save and Apply**, then click **Reboot** at the top and confirm with **OK**
- 7 Wait a couple of seconds for the configuration to update — **do not power off the phone**. The phone picks up its configuration from the PBX during the reboot. Dial `*123` to verify.

UAD settings — auto provisioning

Extension with auto provisioning

ADDITIONAL TEMPLATE & SUMMARY

ADDITIONAL CONFIGURATION TEMPLATE

To include additional UAD configuration for the Grandstream GXP1625, add fields to the **User Agent General Auto Provisioning Template** under **Settings > UAD > Grandstream GXP1625** — or add them directly to a single extension in its **UAD Auto Provisioning Template** section.



PROVISIONING SUMMARY

After successful registration via any method, dial ***123** to verify. If registration fails:

- Verify the UAD is **Active** with the correct provisioning setting
- For auto provisioning: confirm the MAC address matches
- Confirm the phone can reach the PBX on the network
- Re-check the **Config** server address and credentials

FACTORY DEFAULTS AT A GLANCE

- Web login — admin / admin
- Firmware — 1.0.4.82
- Registration check — dial *123
- Provisioning path — /prov
- Recommended protocol — HTTP